

L-Proline, N-(2,5-ditrifluoromethylbenzoyl)-, hexadecyl ester

Inchi: InChI=1S/C30H43F6NO3/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-21-40-28(39)26-17-16-2
InchiKey: XWFZLBKJAUYRHG-UHFFFAOYSA-N
Formula: C30H43F6NO3
SMILES: CCCCCCCCCCCCCCCCCOC(=O)C1CCCN1C(=O)c1cc(C(F)(F)F)ccc1C(F)(F)F
Mol. weight [g/mol]: 579.66

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.65		Crippen Method
logp	9.353		Crippen Method
mcvol	428.550	ml/mol	McGowan Method
rinpol	3156.00		NIST Webbook
rinpol	3156.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U345987&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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